UMKC School of Science and Engineering

BACHELOR OF SCIENCE IN MATHEMATICS AND STATISTICS, 2023-24

For more information about policies and requirements, please see the UMKC 2023-24 Catalog.

FIRST YEAR

FALL SEMESTER	HOURS	SPRING SEMESTER	HOURS
MATH 120 Precalculus	5	MATH 210 Calculus I	4
GEFSE 101 First Semester Experience	3	ENGLISH 225 English II: Intermed Academic Prose	3
ENGLISH 110 English I: Intro to Academic Prose	3	GECRT-AH Critical Thinking in Arts & Humanities	3
GECRT-SC Critical Thinking in Natural & Physical Sciences	3	Constitution Requirement (HISTORY 101, 102, POL-SCI 210, CJC 364 or HON 230)	3
		STAT 235 Elementary Statistics (or any MATH or Science Elective Course)	3
TOTAL	**14**	**TOTAL**	**16**

SECOND YEAR

FALL SEMESTER	HOURS	SPRING SEMESTER	HOURS
MATH 220 Calculus II	4	MATH 250 Calculus III	4
GECDV Culture & Diversity	3	MATH 301 On Solid Ground: Sets and Proof	3
Communication Requirement (COMM-ST 110, 140, 212 or 277)	3	GECUE Civic and Urban Engagement	3
MATH or Science Elective Course	3	GECRT-SS Critical Thinking in Social & Behavioral Sciences	3
General Elective	3	General Elective (ECON 201*)	3
TOTAL	**16**	**TOTAL**	**16**

THIRD YEAR

FALL SEMESTER	HOURS	SPRING SEMESTER	HOURS
MATH 300 Linear Algebra I	3	MATH 410 Abstract Algebra	3
STAT 436 Introduction to Mathematical Statistics I	3	MATH or STAT 300/400 Level Major Elective (MATH 469 or STAT 496**)	3
MATH or Science Elective (MATH 406 or 407**)	3	MATH or Science Elective Course (STAT 441*)	3
MATH or Science Elective Course	3	General Elective (FIN 325*)	3
General Elective (ACCTG 210*)	3	General Elective (ECON 202*)	3
TOTAL	**15**	**TOTAL**	**15**

FOURTH YEAR

FALL SEMESTER	HOURS	SPRING SEMESTER	HOURS
MATH 420 Linear Algebra II (or MATH or STAT 300/400 Level Major Elective, if took MATH 410)	3	MATH or STAT 300/400 Level Major Elective	3
MATH 402 Advanced Analysis I	3	300/400 Level WI Writing Intensive (MATH 464WI**)	3
MATH/STAT 300/400 Level Major Elective (MATH 434**)	3	General Elective	3
300/400 Level General Elective (STAT 480*)	3	General Elective	4
300/400 Level General Elective (FIN 345*)	3		
TOTAL	**15**	**TOTAL**	**13**

Additional Graduation Requirements: Civics Exam and HElighten Exit Exam

Total Credits to Graduate: 120

*Required courses for Actuarial Science minor
**Recommended courses

UMKC School of Science & Engineering · SS&C Student Services Center
336 Flarsheim Hall · 5110 Rockhill Road
816-235-2399 · sse@umkc.edu · http://sse.umkc.edu